

COMPLETE LISTING OF CLAIMS WITH STATUS INDICATOR

1. (currently amended) A coating composition for undercoat comprising:
(A) an acrylic resin having a hydroxyl value of 30 to 85, a glass transition temperature (T_g) within the range of 40 to 90°C and a weight average molecular weight of 1000 to 30000,
(B) a pigment,
(C) resin fine particles, said resin fine particles are one of a solid and a powder,
(D) a polyisocyanate compound, and
(E) a curing catalyst; wherein:
a ratio of isocyanate group in the (D) component to 1 equivalent of hydroxyl group in the (A) component is 2.0 to 4.0 equivalents;
content of the (B) component is from 100 to 500 parts by weight relative to 100 parts by weight of resin solid matter;
the (C) component is mixed so as to be from 0.1 to 5% by weight as a solid matter relative to the weight of the (B) component, and
wherein the total solid matter when (A), (B), (C), (D) and (E) are combined is 55-70%.
2. (previously presented) The coating composition for undercoat according to claim 1, wherein the acrylic resin (A) is a resin obtained by polymerizing an acrylic monomer having hydroxyl group as an essential monomer and other acrylic monomer and/or a vinyl monomer.
3. (currently amended) A coating method for repair comprising steps of:
conducting surface treatment at a part to be repaired;
providing undercoat; and
providing topcoat;
wherein a coating composition for the undercoat comprises:
(A) an acrylic resin having a hydroxyl value of 30 to 85, a glass transition temperature (T_g) within the range of 40 to 90°C and a weight average molecular weight of 1000 to 30000,
(B) a pigment,

(C) resin fine particles, said resin fine particles are one of a solid and a powder,

(D) a polyisocyanate compound, and

(E) a curing catalyst; wherein:

a ratio of isocyanate group in the (D) component to 1 equivalent of hydroxyl group in the (A) component is 2.0 to 4.0 equivalents;

content of the (B) component is from 100 to 500 parts by weight relative to 100 parts by weight of the resin solid matter;

the (C) component is mixed so as to be from 0.1 to 5% by weight as a solid matter relative to the weight of the (B) component, and

wherein the total solid matter when (A), (B), (C), (D) and (E) are combined is 55-70%.

4. (New) A coating composition for undercoat comprising:

(A) an acrylic resin having a hydroxyl value of 30 to 85, a glass transition temperature (T_g) within the range of 40 to 90°C and a weight average molecular weight of 1000 to 30000,

(B) a pigment,

(C) resin fine particles,

(D) a polyisocyanate compound, and

(E) a curing catalyst; wherein:

a ratio of isocyanate group in the (D) component to 1 equivalent of hydroxyl group in the (A) component is greater than 2.0 equivalents and less than or equal to 4.0 equivalents;

content of the (B) component is from 100 to 500 parts by weight relative to 100 parts by weight of resin solid matter;

the (C) component is mixed so as to be from 0.1 to 5% by weight as a solid matter relative to the weight of the (B) component, and

wherein the total solid matter when (A), (B), (C), (D) and (E) are combined is 55-70%.

5. (New) The coating composition for undercoat according to claim 1, wherein the ratio of isocyanate group in the (D) component to 1 equivalent of hydroxyl group in the (A) component is 2.2 equivalents to less than or equal to 4.0 equivalents.

6. (New) The coating composition for undercoat according to claim 1, wherein the ratio of isocyanate group in the (D) component to 1 equivalent of hydroxyl group in the (A) component is 2.2 equivalents to 3.5 equivalents.

7. (New) The coating method for repair according to claim 3, wherein the ratio of isocyanate group in the (D) component to 1 equivalent of hydroxyl group in the (A) component is 2.2 equivalents to less than or equal to 4.0 equivalents.

8. (New) The coating method for repair according to claim 3, wherein the ratio of isocyanate group in the (D) component to 1 equivalent of hydroxyl group in the (A) component is 2.2 equivalents to 3.5 equivalents.